



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

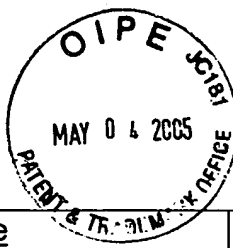
APPLICATION OF: Wolfgang Clemens et al.  
SERIAL NO: 10/517,750 GROUP ART UNIT: Not assigned  
FILED: December 13, 2004 EXAMINER: Not assigned  
CUSTOMER NO.: 27162  
FOR: Substrate for an Organic Field Effect Transistor, Use of the  
Substrate, Method of Increasing the Charge Carrier Mobility and  
Organic Field Effect Transistor (OFET)  
ATTY/DKT NO.: 411000-122

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

DISCLOSURE STATEMENT UNDER 37 CFR 1.56

SIR:

This paper is to bring to the attention of the PTO the following copending U.S. applications, all of which are related in different respects to organic electronic devices and/or method of making such devices such as transistors, diodes, integrated circuits and the like. These applications also are generally related to the various applications noted in applicants' Disclosure Statement filed on January 7, 2005. Many of these applications also have one or more common inventors. The enclosed PTO 1449 lists these applications as well as the applications associated with the Disclosure Statement filed January 7, 2005. It is respectfully requested that the Examiner consider and make of record all of the cited applications listed in the enclosed PT 1449.



<u>Application No.</u>	<u>Title</u>	<u>Inventors</u>	<u>Atty. Dkt. No.</u>
10/523,216	Electronic Component Comprising Predominantly Organic Functional Materials and a Process for the Production Thereof	Adolf Bernds et al.	411000-123
10/523,487	Electronic Device	Wolfgang Clemens et al.	411000-124
10/524,646	Organic Component For Overvoltage Protection And Associated Circuit	Walter Fix et al.	411000-127

The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

**FIRST CLASS CERTIFICATE**

I hereby certify that this correspondence is being deposited today with the U.S. Postal Service as First Class Mail in an envelope addressed to:

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

  
Janice Speidel  
May 2, 2005  
Date

#256017

Respectfully submitted,  
Wolfgang Clemens et al.

William Squire  
Reg. No. 25,378  
CARELLA, BYRNE, BAIN, GILFILLAN,  
CECCHI, STEWART & OLSTEIN  
5 Becker Farm Road  
Roseland, NJ 07068  
Tel: (973)994-1700  
Fax: (973)994-1744



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF: Wolfgang Clemens et al.  
SERIAL NO: 10/517,750 GROUP ART UNIT: Not assigned  
FILED: December 13, 2004 EXAMINER: Not assigned  
CUSTOMER NO.: 27162  
FOR: Substrate for an Organic Field Effector, Use of Said Substrate,  
Method of Increasing the Charge Carrier Mobility and Organic  
Field Effect Transistor (OFET)  
ATTY/DKT NO.: 415000-122

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

SIR:

Pursuant to 37 C.F.R. §1.56(a), Applicant(s) hereby cite(s) the enclosed documents listed on the attached copy of Form PTO-1449 which are believed to be material to the patentability of the above-identified application.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 indicated below:

  X   §1.97(b) This Information Disclosure Statement is filed:  
(1) Within three months of the filing date of a national application; OR  
(2) Within three months of the date of entry of the national stage of an international application; OR  
(3) Before the mailing of a first Office Action on the merits.  
No fee or statement is required.

       §1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action or under 37 CFR §1.113; OR
- (2) A Notice of Allowance under 37 CFR §1.311; AND

is accompanied by either: (check one)

       The statement as specified in 37 CFR §1.97(e) set out below; OR

       The fee of \$180.00 under 37 CFR §1.17(p).

\_\_\_§1.97(d) This Information Disclosure Statement is filed after the mailing date of either:

- (1) a Final Action or under 37 CFR §1.113; OR
- (2) A Notice of Allowance under 37 CFR §1.311;

BUT filed on or before payment of the Issue Fee; AND  
is accompanied by:

- (1) The statement as specified in 37 CFR §1.97(e) as set forth below; AND
- (2) Petition is hereby made under 37 CFR §1.97(d) for consideration of this Information Disclosure Statement; AND,
- (3) The petition fee of \$180.00 set out in 37 CFR §1.17(i).

\_\_\_§1.97(e) The undersigned Attorney hereby states that:

\_\_\_ each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement;  
or


\_\_\_ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.

This Information Disclosure Statement provides a detailed list of the references cited in various pending applications listed in applicant's Disclosure Statement filed January 7, 2005 and herewith.

The Commissioner is authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0678.

**FIRST CLASS CERTIFICATE**

I hereby certify that this correspondence is being deposited on the date set forth below with the U.S. Postal Service as First Class Mail, postage prepaid, in an envelope addressed to:  
Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

  
Janice Speidel  
May 2, 2005  
Date

#256010

Respectfully submitted,  
Wolfgang Clemens et al.

  
William Squire  
Reg. No. 25,378  
CARELLA, BYRNE BAIN, GILFILLAN,  
CECCHI, STEWART & OLSTEIN  
5 Becker Farm Road  
Roseland, NJ 07068  
Tel: (973)994-1700  
Fax: (973)994-1744

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		Application Number	10/517,750
		Filing Date	December 13, 2004
		First Named Inventor	Wolfgang Clemens
		Group Art Unit	Not assigned
		Examiner Name	Not assigned
Sheet 1	Of 1	Attorney Docket Number	411000-122

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-6,852,583	10/09/2003	Adolf Bernds et al.	See Disclosure Statement filed herewith
	2	US-10/344,951	N/A	Adolf Bernds et al.	
	3	US-10/362,932	10/02/2003	Adolf Bernds et al.	
	4	US-10/380,113	09/25/2003	Adolf Bernds et al.	
	5	US-10/380,206	N/A	Adolf Bernds et al.	
	6	US-10/381,032	N/A	Adolf Bernds et al.	
	7	US-10/433,959	N/A	Adolf Bernds	
	8	US-10/433,961	N/A	Wolfgang Clemens et al.	
	9	US-10/451,108	N/A	Mark Giles et al.	
	10	US-10/467,636	N/A	Adolf Bernds et al.	
	11	US-10/473,050	N/A	Adolf Bernds et al.	
	12	US-10/479,234	12/30/2004	Adolf Bernds et al.	
	13	US-10/479,238	N/A	Adolf Bernds et al.	
	14	US-10/492,922	N/A	Erwann Bullet et al.	
	15	US-10/492,923	12/23/2004	Wolfgang Clemens et al.	
	16	US-10/498,610	N/A	Walter Fix et al.	
	17	US-10/508,640	N/A	Walter Fix et al.	
	18	US-10/508,737	N/A	Adolf Bernds et al.	
	19	US-10/517,750	N/A	Wolfgang Clemens et al.	
	20	US-10/523,216	N/A	Adolf Bernds et al.	
	21	US-10/523,487	N/A	Wolfgang Clemens et al.	
	22	US-10/524,646	N/A	Walter Fix et al.	
Examiner Signature			Date Considered		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

## **Complete if Known**

Application Number	10/517,750
Filing Date	December 13, 2004
First Named Inventor	Wolfgang Clemens
Group Art Unit	Not assigned
Examiner Name	Not assigned
Attorney Docket Number	411000-122

Sheet 1 Of 3

## **U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US 2002/022284	02-21-2002	Heeger et al.	For all cited references, see Form 1449 filed herewith and enclosed Disclosure Statement
		US-2002/0025391	02-28-2002	Angelopoulos	
		US-2003/0175427	09-00-2003	Loo et al.	
		US-2004/0013982	01-00-2004	Jacobson et al.	
		US-2004/0026689	02/00/2004	Bernds et al.	
		US-2004/0211329	10-00-2004	Funahata et al.	
		US-3,769,096	10-30-1973	Ashkin	
		US-5,480,839	01-02-1996	Ezawa et al.	
		US-5,546,889	08-20-1999	Wakita et al.	
		US-5,578,513	11-00-1996	Maegawa	
		US-5,652,645	07-29-1997	Jain	
		US-5,967,048	10-19-1999	Fromson et al.	
		US-6,083,104	07-04-2000	Choi Kei Fung	
		US-6,215,130	04-00-2001	Dodabalapur	
		US-6,251,513	06-26-2001	Hyatt	
		US-6,284,562	09-00-2001	Batlogg et al.	
		US-6,322,736	11-00-2001	Bao et al.	
		US-6,335,539	10-19-1999	Dimitrakopoulos et al.	
		US-6,340,822	01-22-2002	Brown et al.	
		US-6,403,396	6-11-2002	Gudesen et al.	
		US-6,429,450	08-06-2002	Mutsaers et al.	
		US-6,517,955	02-00-2005	Jacobson et al.	
		US-6,555,840	04-29-2003	Hudson et al.	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		DE10006257 (title page only)	06027-2002	Siemens		
		DE 100 33112 (title page only)	01-24-2002	Siemens		
		DE 100 61297 (title page only)	06-27-2002	Siemens		

		EP 0501456 A2	09-02-1992	Sony		X
		EP 0501456 A3	09-02-1992	Sony		X
		EP 0966182	12-22-1999	LG Electronics		X
		EP 0989614 A2	03-29-2000	Sel Semiconductor		X
		EP 1065725 A2	01-03-2001	Sel Semiconductor		X
		EP 1065725 A3	01-03-2001	Sel Semiconductor		X
		EP 1224999 (title page only)	07-24-2002	Sumitomo Heavy Ind.		X
		EP 1237207	09-04-2002	Fuji Photo Film Co.		X
		GR 2001P03239 (not available)				X
		GR 2001P20024 (not available)				X
		JP 01169942 (abstract)	07-05-1989	Hitachi Ltd.		X
		JP 08197788 (abstract)	08-06-1995	Hitachi Koki		X
		JP 362065477A	03-24-1987	Toshiba		X
		JP 601177769				
		JP 61001060				
		WO 0117041	03-08-2001	E Ink Corp.		X
		WO 0147044 A2	06-28-2001	Plastic Logic Limited		X
		WO 0147044 A3	06-28-2001	Plastic Logic Limited		X
		WO 0108241	02-01-2001	E Ink Corp.		X
		WO 0205361	01-17-2002	3M Innovative Prop.		X
		WO 02095805 A2	11-28-2002	Plastic Logic Limited		X
		WO 02095805 A3	11-28-2002	Plastic Logic Limited		X
		WO0219443 (abstract)	03-07-2002	Siemens		
		WO0247183 (abstract)	06-13-2002	Siemens		
		WO 04042837	05-21-2004	Siemens		
		WO 9531831 (title page only)	11-23-1995	Philips Electronics		X
		WO 96 02924	02-01-1996	Oryx Techn Corp.		X
		WO 98 18186 (title page only)	04-30-1998	Erico Lightning		X
		WO 99 10929 (title page only)	03-04-1999	Koninklijke Philips		X

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

#### NON PATENT LITERATURE DOCUMENTS

Examiner Initial*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		FRAUNHOFER MAGAZIN, "Polytronic: Chips voon der Rolle", Nr. 4, 2001, pp. 8 – 13.	
		deLEEUW, D.M. et al., "Polymeric Integrated Circuits and Light-Emitting Diodes", IEEE 1997, pp. 331 – 337	x
		SCHRODNER, S. et al., "Plastic Electronics Based on Semiconducting Polymers", Session 4: Polymer Electronic Devices II, pp. 91 – 94.	x
		LOWE, J. et al., "Poly(3(2-acetoxyethyl)thiophene): A model polymer for acid-catalyzed lithography", Elsevier Science S.A., 1997, Synthetic Metals 85 pp. 1427 – 1430	x
		OELKRUG, D. et al., "Electronic spectra of self-organized oligothiophene films with 'standing' and 'lying' molecular units", Elsevier Science S.A., 1996, Thin Solid Films 284-270	

		SANDBERG, H. et al, "Ultra-thin Organic Films for Field Effect Transistors", SPIE Vol. 4466, 2001, pp. 35 – 43.	
		CHEN, X.L. et al., "Morphological and Transistor Studies of Organic Molecular Semiconductors with Anisotropic Electrical Characteristics", American Chemical Society, 2001, Chem. Mater. 2001, 13, 1341—1348.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

#255181